



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDP08E65D1	Issued	03. May 2021
MA#	MA001015612		
Package	PG-TO220-2-1	Weight*	1963.49 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	0.448	0.02	0.02	228	228
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
	non noble metal	iron	7439-89-6	0.753	0.04		383	
	non noble metal	copper	7440-50-8	751.797	38.29	38.34	382888	383386
wire	non noble metal	aluminium	7429-90-5	1.551	0.08	0.08	790	790
encapsulation	organic material	carbon black	1333-86-4	6.033	0.31		3073	
	plastics	epoxy resin	-	114.635	5.84		58384	
	inorganic material	silicondioxide	60676-86-0	482.675	24.58	30.73	245825	307282
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7378	7378
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	101	102
solder	non noble metal	antimony	7440-36-0	0.045			23	
	noble metal	silver	7440-22-4	0.112	0.01		57	
	non noble metal	tin	7440-31-5	0.292	0.01	0.02	149	229
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	iron	7439-89-6	0.590	0.03		301	
	non noble metal	copper	7440-50-8	589.466	30.02	30.06	300214	300605
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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